AMENDMENTS TO THE SPECIFICATION

Please delete the ABSTARCT OF THE DISCLSOSURE on page 50 of the specification, and replace it with the following new ABSTRACT:

A monitoring and control system is provided having a control device, arranged in a central controller room, which provides commands to power distribution panel switch gear located in the field. The switch gear transmits and receives controlling and monitoring signals through wireless communication applying an evanescent mode. The switch gear has a power circuit connected to a plurality of devices to be operated. The switch gear is a panel comprising metal and non-metal surfaces, so that a portion of wireless waves in the evanescent mode travel out of the panel. A receiver is provided for monitoring the wireless waves that travel out of the panel. The wireless signals are compared with information stored in a diagnostics database, and are diagnostically evaluated to determine whether the signals are within a known normal operating range.

Please replace the paragraph beginning on page 15, line 16, and ending on page 16, line 2, with the following paragraph:

In this embodiment, an evanescent mode is used as the wireless communication means for exchanging information. Hereby, it is possible to provide a wireless communication system that is easy to introduce and maintain, ensures inter-building dependence, and can be provided close to existing wireless communication systems. It is also possible to provide a wireless communication system that enables batch connection of controlling and monitoring equipment such as the computer, controllers, sensors, power distribution panel switch gears, actuators, and other elements arranged in a large-scale plant building of complex construction or in the place [[pace]] surrounded by the piping and structures of a plant.

Please replace the paragraph beginning on page 32, line 11, and ending on page 33, line 1, with the following paragraph:

In terms of maintenance and diagnosing business profitability, the status of simplified individual devices and combined/integrated functions at strict signal levels can be confirmed since wired cable connection to the hardware of these devices becomes unnecessary. When on-line and off-line operation forms are integrated, this means the possibility that the plant operation company will be able to easily obtain [[preludial]] preliminary-level abnormality detection information more accurate than the alarming information obtained at normal operating level, and thus that the significantly useful information serving as the base for establishment of matching between equipment renewal, maintenance planning, and plant operation planning, will be obtainable from that company. It can be safely said, therefore, that these will extend the total operation time and renew the equipment according to plan, and hereby that the above will directly yield economical merits.

Please replace the paragraph beginning on page 38, line 18, and ending on page 39, line 7, with the following paragraph:

In this way, in terms of maintenance and diagnosing business profitability, the status of simplified individual devices and combined/integrated functions at strict signal levels can be confirmed from an independent system, without making hardware-like alterations or modifications to the normal usage sections of the intended system. And when on-line and off-line operation forms are integrated, the plant operation company will be able to easily obtain [[preludial]] preliminary-level abnormality detection information more accurate than the alarming information obtained at normal operating level. More specifically, the significantly useful information serving as the base of establishment of matching between equipment renewal, maintenance planning, and plant operation planning, will be obtainable and accordingly, since the total operation

time will be extended and the equipment will be renewed according to plan, economical merits will be yielded.